

## High Performance Housing

### Energy Efficiency

Energy efficiency pertains to providing Energy Star rated appliances, and/or other Energy Star rated items identified in section “h” of this Manual, to all tenants of the development.

To receive points for this sub-category, the owner must provide the chosen Energy Star rated items to all tenants of the development.

Information on Energy Star can be found on:

[http://www.energystar.gov/index.cfm?c=appliances.pr\\_appliances](http://www.energystar.gov/index.cfm?c=appliances.pr_appliances)

### Recycled Content Building Materials

Recycled content building materials have been used for insulation, countertops, floor tiles, wall tiles, roofing shingles, drywall, cement board, green board, etc...

To receive points for this sub-category, the owner must demonstrate documentation of the recycled content building materials used at the development.

While researching which recycled materials are to be used for various applications, please ensure that the materials meet Indiana minimum standards as identified in the current Indiana Building Code and Indiana Residential Code.

Information on Recycled Content Building Materials can be found on various Web sites such as:

<http://www.epa.gov/epaoswer/osw/conserve/priorities/bene-use.htm>

<http://www.oikos.com/library/#Showcase>

<http://www.buildinggreen.com/menus/>

[http://www.in.gov/cgi-bin/idem/imx/list\\_materials.cgi?ver=Available&group=X](http://www.in.gov/cgi-bin/idem/imx/list_materials.cgi?ver=Available&group=X)

<http://www.epa.gov/jtr/comm/exchstat.htm>

<http://www.epa.gov/oppt/epp/index.htm>

### Low Volatile Organic Compounds (VOCs)

Low VOCs pertain to paint, cabinetry, stains sealers, adhesives, etc...

To receive points for this sub-category, the owner must demonstrate documentation of the Low VOC materials used at the development.

While researching which low VOC materials are to be used for various applications, please ensure that the materials meet Environmental Protection Agency (EPA) standards and Indiana



minimum standards as identified in the current Indiana Building Code and Indiana Residential Code.

Information on Low VOC Materials can be found on various Web sites such as:

<http://www.buildinggreen.com/menus/drillBC.cfm?BuilderCategoryID=19>

<http://www.oikos.com/library/breathingwalls/index.html>

<http://www.greenmakersupply.com/>

[http://www.in.gov/cgi-bin/idem/imx/list\\_materials.cgi?ver=Available&group=X](http://www.in.gov/cgi-bin/idem/imx/list_materials.cgi?ver=Available&group=X)

### **Low Impact Construction Practices**

Low Impact Construction Practices include practices such as recycling construction and demolition waste, Deconstruct and recycle, The use of Forest Stewardship Certified Forest products, Tunneling for utilities (No Trenching), Erosion and Sediment control during construction, Preserving Ecological Integrity...

To receive points for this sub-category, the owner must demonstrate documentation of the Low Impact Construction Practices used at the development.

Information on Low Impact Construction Practices can be found on various Web sites such as:

<http://www.oikos.com/library/waste/index.html>

<http://www.buildinggreen.com/menus/drillBC.cfm?BuilderCategoryID=14>

<http://www.epa.gov/greenbuilding/pubs/enviro-issues.htm>

[http://www.hgtvpro.com/hpro/nws\\_ind\\_nws\\_trends/article/0,2624,HPRO\\_26519\\_4975569,00.html](http://www.hgtvpro.com/hpro/nws_ind_nws_trends/article/0,2624,HPRO_26519_4975569,00.html)

<http://fscus.org/>

### **Low Impact Procurement**

Low Impact Procurement pertains to mileage/distance from the procurement stage of raw and/or recycled materials to the production, distribution, and installation of the finished product at the development.

To receive points for this sub-category, the owner must demonstrate that the building materials obtained had traveled no more than an accumulative total of three hundred (300)-miles from the procurement of the raw materials to arriving at the development for installation.

Information on materials available in Indiana, and surrounding states can be found on various Web sites such as:

<http://www.in.gov/recycle/imx/>

<http://www.epa.gov/jtr/comm/exchstat.htm>

<http://www.epa.gov/oppt/epp/index.htm>



## High Performance Envelope Testing

High Performance Envelope Testing pertains to Blower Door Testing being conducted, results recorded and provided to IHCD, and Re-Testing the same units 18-Months after the previous test, results recorded and provided to IHCD.

To receive points for this sub-category, the owner must provide blower door test results to IHCD as follows:

For Rehabilitations including energy efficient envelopes in the developments' rehabilitation plans; blower door tests must be conducted prior to any rehabilitation work, Re-Testing after the rehabilitation is completed, and Re-Testing again 18-months after the 1<sup>st</sup> Re-Test.

**NOTE:** Existing Developments not planning to include energy efficient envelopes in the rehabilitation for all the units shall not receive points for this subcategory.

For Newly constructed Developments; blower door tests must be conducted after construction is completed and 18-Months after the initial test.

**For ALL Developments;** blower door tests must consist of testing a minimum of two (2)-units for each bedroom type on the bottom & top stories of the building.

Blower Door Tests must be conducted by BP Certified individual(s) and the results of the testing forwarded to IHCD within 30-days of the completion of the testing.

## Smart Use Training

Smart Use Training pertains to an educational training program designed to train the tenants, at the development, the proper and most efficient use of all energy efficient and water conservation equipment utilized at the development. The training must also include training on mold & mildew prevention.

To receive points for this sub-category, the owner must demonstrate that a Smart Use Training program, tailored to the developments needs, is documented, utilized, and recorded for ALL tenants at the development for the term of the compliance and extended use period(s).

Additionally, Manufacturers' information/specification, and installation instructions must be maintained, and available, at each development for each type of High Performance Housing equipment utilized at the development.

Information on the proper use of the equipment, utilized at the development, can be found in the Manufacturers' information/specification packages supplied with the equipment utilized.

